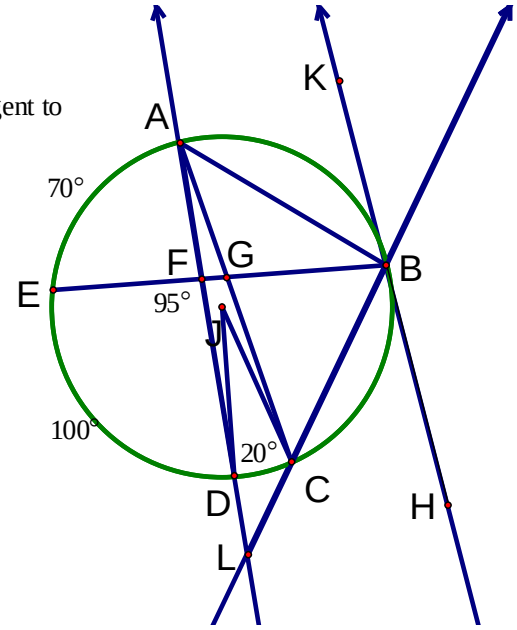
Mrs. Hayden

Name_____ Date_____

201 Ch 10 Review

Use the circle to the right to find the following:

$\overleftrightarrow{BH}$ is tangent to ⊙J



1. $m\overset{\frown}{AB}$ =_____
2. $m\overset{\frown}{CB}$ =_____

3. m∠GBC = _____
4. m∠HBC = _____
5. m∠BAC = _____
6. m∠KBC = _____
7. m∠AGB = _____
8. m∠ALB = _____
9. m∠DAC = _____
10. m∠DJC = _____

Use the circle to the right to find the following:

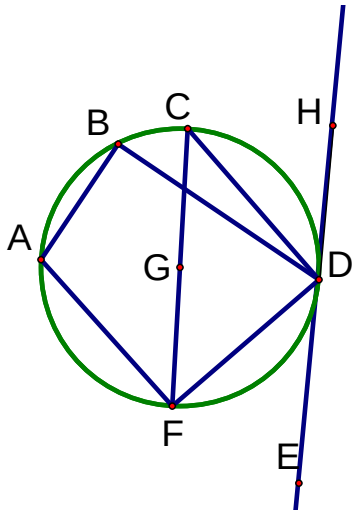
$\overline{FC}$ is the diameter

$\overleftrightarrow{DE}$ is tangent

$m\overset{\frown}{AC} = 90°$

$m\overset{\frown}{CD} = 92°$

$m\angle A = 105°$

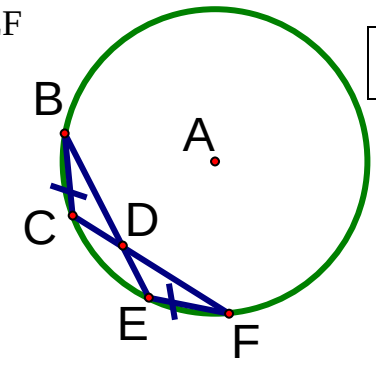


11. m∠BDF = _____
12. m∠CDF = _____
13. m∠CDB = _____
14. m∠CFD = _____
15. m∠BDH = _____
16. $m\overset{\frown}{DF}$ = _____

Use the circle to the right to find the following:

$BC = EF$

$m\overset{\frown}{CB} = 31°$

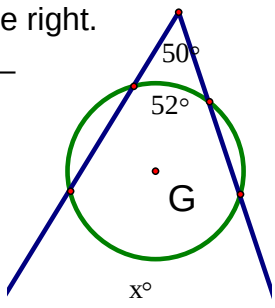


For #s 17 & 18

17. m∠CDB = _____
18. m∠BDF = _____

Use picture to the right.

19. x = _____



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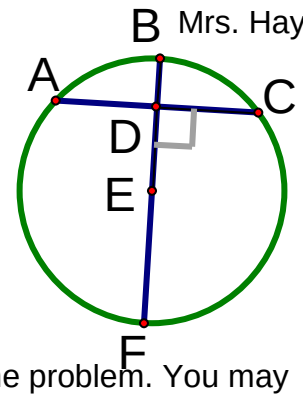
r = 12



Use the circle to the right to find the following:

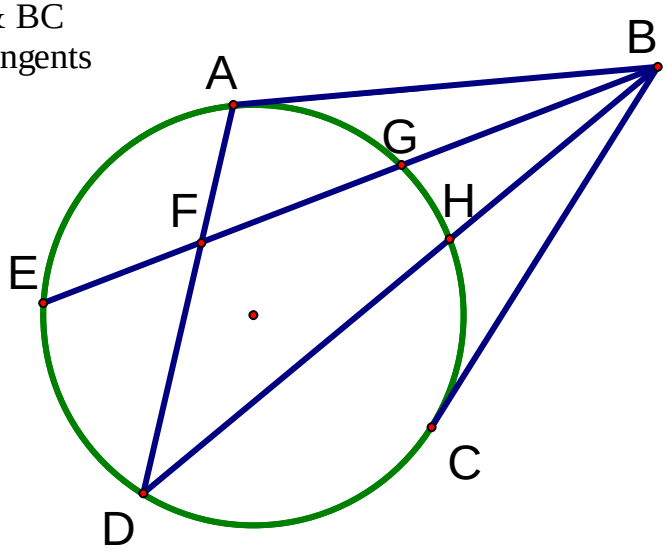
20. AC = _____

AD = DE

Use the circle to the right to find the following:
(Try to focus on the two segments that are involved in the problem. You may want to redraw the picture with just those segments.)

21. x = _____
AB = 16
BC = 4x

$\overline{AB}$ & $\overline{BC}$ are tangents



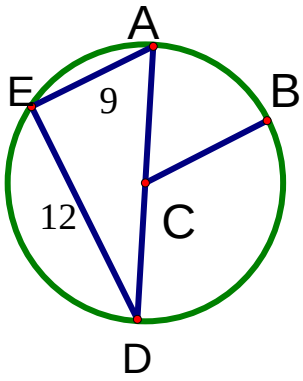
22. x = _____
AB = x
HB = 9
HD = 7

23. x = _____
HB = x
HD = 4
BG = 3
EG = 1

24. x = _____
AF = 6
EF = 3
FG = 8
FD = x + 2

25. x = _____
BG = x
GE = 8
BH = x -1
BD = 4x

Use the circle to the right to find the following:



26. Find the diameter. _____

27. m∠ACB = 60°. Find the m $\overset{\frown}{DB}$._____

28. Use SOHCAHTOA to find the m $\overset{\frown}{EA}$._____